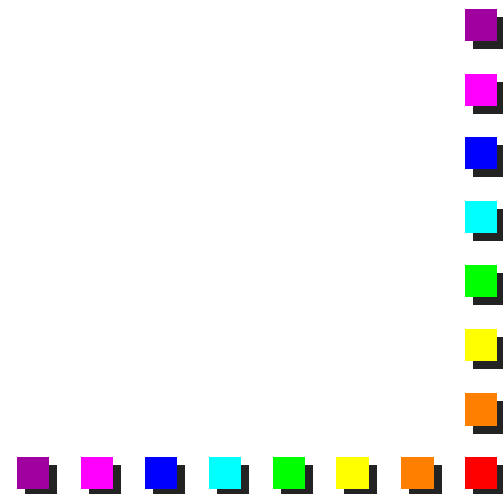# (not compulsory) Assignment:

Survey Telegram Bot for
Academic and Research Department

Jaloliddin Yusupov

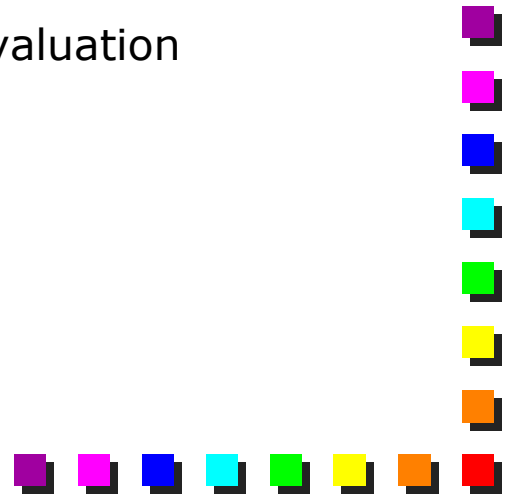jaloliddin.yusupov@polito.uz

The goal

- To write a Telegram bot in Python language
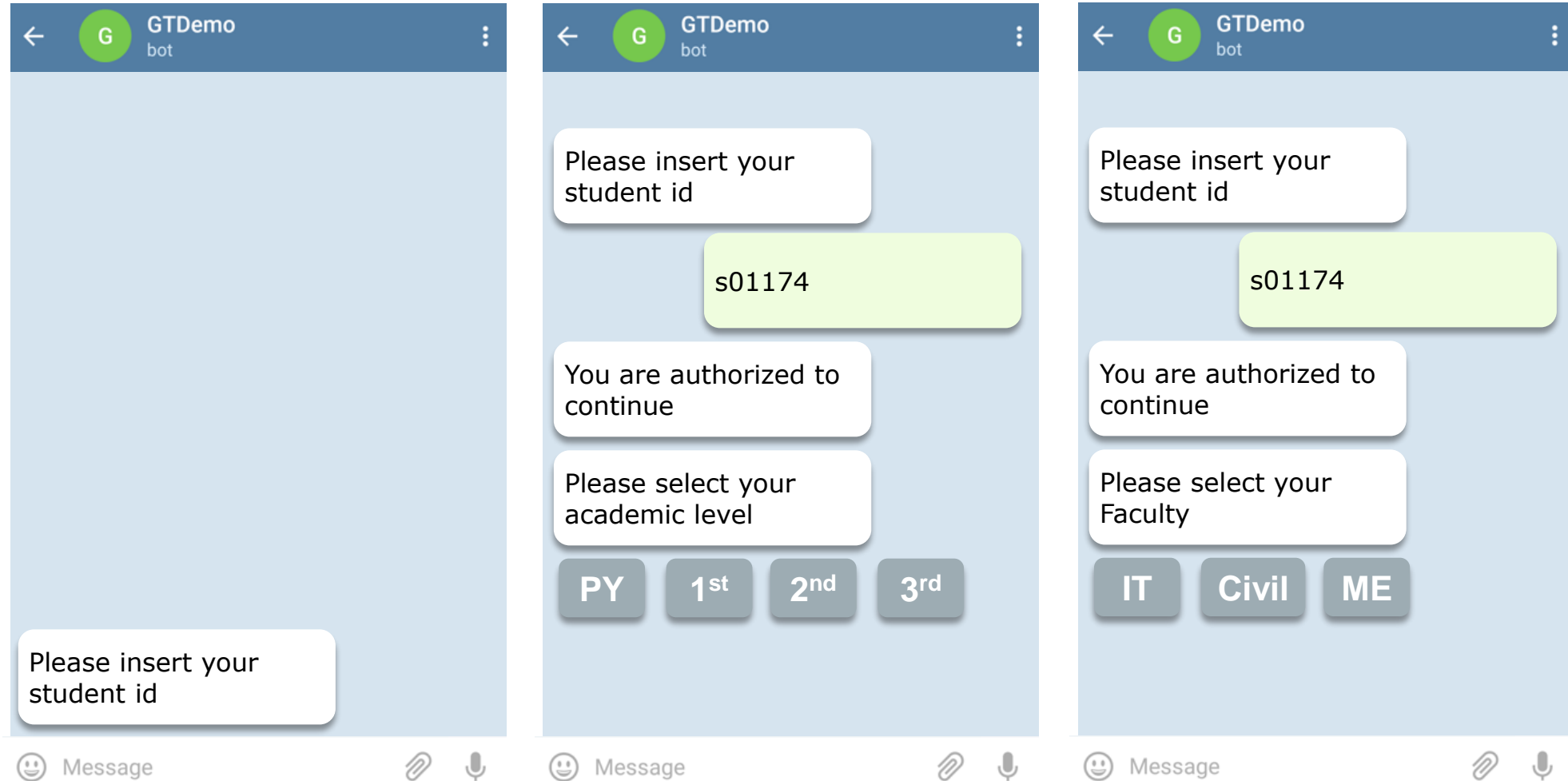- To contribute to the academic process of the TTPU

Results

- Students will be asked to **complete an assignment** and send it to jaloliddin.yusupov@polito.uz or via telegram to @dryujboss
- **Only** the first **three students** who will deliver the task will be eligible for the evaluation
  - You may track the updates at didattica (Avvisi del corso)
- Assignment will give you **up to 31 points** in the final exam

The problem

- Develop a <u>Survey Telegram</u> bot in your local machine:
  - where the student must be first authorized to use the survey
    - you may use a simple database (csv file is suggested) to store the IDs of students
      - if the ID provided by the student is in the database, they are authorized to continue
  - then student has to select (with <u>on-the-fly updating</u>) the *academic level* (PY, 1st...), *faculty* (IT, CIVIL...), *course name* (APA, FMD, TATT...) and *professor surname* (Yusupov...)
  - then select a number from 1 to 5 to evaluate the delivery of the course (5 being the max)
  - then store this information in a database with the date and time

Mockup

Proposed data structure (table)

Input

studentID
u210746
u01174
u01194
...

Output

studentID	log	point	...
u210746	Tue Mar 24 2015 17:00:00 GMT-0700	5	
u01174			
u01194			
...			

Freedom

- student may assign any name to the bot

- student may develop on any OS (e.g., Windows, Linux or Mac)

- student may change/extend/improve proposed data structures

- student may use any Telegram library
  - python-telegram-bot, pyTelegramBotAPI or AIOGram compatible with Python versions 3+

Tutorials

- **How to create a Telegram Bot in Python in under 10 minutes**
  - https://blog.usejournal.com/part-1-how-to-create-a-telegram-bot-in-python-under-10-minutes-145e7f4e6e40
- **How to create a csv file in memory and send it with Telegram bot with Python**
  - https://okhlopkov.medium.com/dont-save-a-file-on-disk-to-send-it-with-telegram-bot-d7cd591fec2d
- **Reading and Writing CSV Files in Python**
  - https://realpython.com/python-csv/

- contact us via email (jaloliddin.yusupov@polito.uz) for any question regarding the assignment